

ABSTRACT OF THE DISCLOSURE

A light source device which employs a plurality of light emitting diodes for emitting different colors of light, and a projection display which incorporates the light source device provide for a good white balance and a high light utilization efficiency in consideration of light emission efficiencies inherent to the respective color light emitting diodes. An illumination beam from each of light emission boards is converted to one type of polarized light respectively by associated polarized light forming means, and resulting polarized light beams are combined by a polarizing beam splitter to produce an illumination beam for illuminating a two-dimensional image device which may comprise a digital mirror device (DMD). The light emitting diodes in the respective colors are arranged on respective light emission boards in a predetermined ratio of distribution to optimize the white balance.